723-840

Post Office Address:

Inventor's Signature:

Post Office Address:

Residence: (city)

Inventor:

2.

(Zip Code)

(Zip Code)

78750

05452

Peter

(first)

Essex Junction

JAN 2 4 2002 F

Nixon & Vanderhye P.C. (10/99) (Domestic Non-Assigned/Foreign) Page 1

RULE 63 (37 C.F.R. 1.63) PERSONAL PROPERTY OF THE UNITED STATES PATENT AND TRADEMARK OFFICE OFFICE OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: A METHOD AND APPARATUS FOR OBTAINING A SCALAR VALUE DIRECTLY FROM A VECTOR REGISTER the specification of which (check applicable box(s)): is attached hereto 図 was filed on April 7, 2000 as U.S. Application Serial No. 09/545,182 (Atty Dkt. No. 723 was filed as PCT International application No. on and (if applicable to U.S. or PCT application) was amended on I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with 37 C.F.R. 1.56. I hereby claim foreign priority benefits under 35 U.S.C. 119/365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed or, if no priority is claimed, before the filing date of this application: Priority Foreign Application(s): **Application Number** Country Day/Month/Year Filed I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below. **Application Number** Date/Month/Year Filed I hereby claim the benefit under 35 U.S.C. 120/365 of all prior United States and PCT international applications listed above or below and, insofar as the subject matter of each of the claims of this application is not disclosed in such prior applications in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose material information as defined in 37 C.F.R. 1.56 which occurred between the filing date of the prior applications and the national or PCT international filing date of this application: Prior U.S./PCT Application(s): Status: patented FEB 2 6 2002 Application Serial No. Day/Month/Year Filed pending, abandoned Technology Center 2100
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. And on behalf of the owner(s) hereof, I hereby appoint NIXON & VANDERHYE P.C., 1100 North Glebe Rd., 8th Floor, Arlington, VA 22201-4714, telephone number (703) 816-4000 (to whom all communications are to be directed), and the following attorneys thereof (of the same address) individually and collectively owner's/owners' attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent: Larry S. Nixon, 25640; Arthur R. Crawford, 25327; James T. Hosmer, 30184; Robert W. Faris, 31352; Richard G. Besha, 22770; Mark E. Nusbaum, 32348; Michael J. Keenan, 32106; Bryan H. Davidson, 30251; Stanley C. Spooner, 27393; Leonard C. Mitchard, 29009; Duane M. Byers, 33363; Jeffry H. Nelson, 30481; John R. Lastova, 33149; H. Warren Burnam, Jr. 29366; Mary J. Wilson, 32955; J. Scott Davidson, 33489; Alan M. Kagen, 36178; Robert A. Molan, 29834; B. J. Sadoff, 36663; James D. Berquist, 34776; Updeep S. Gill, 37334; Michael J. Shea, 34725; Donald L. Jackson, 41090; Michelle N. Lester, 32331; Frank P. Presta, 19828; Joseph S. Presta, 35329; Joseph A. Rhoa, 37515; Raymond Y. Mah, 41426; Chris Comuntzis, 31097. Lalso authorize Nixon & Vanderhye to delete any attorney names/numbers no longer with the firm and to act and rely solely on instructions directly communicated from the person, assignee, attorney, firm, or other organization sending instructions to Nixon & Wanderhye on behalf of the owner(s). 1. Inventor's Signature: Inventor: Yu/Chufig C LIAO (Hirst) ΜI (last) (citizenship) Residence: (city) Austin (state/country)

FOR ADDITIONAL INVENTORS, check box $\ oxdiv$ and attach sheet with same information and signature and date for each.

Α.

MI

10707 Lochness Cove, Austin, Texas

4 Lang Drive, Essex Junction, Vermont

6/25/2001

USA

(citizenship)

Date:

SANDON

(last)

(state/country) Vermont

723-840 Serial No. 09/545,182 Nixon & Vanderhye P.C. (10/99 omestic Non-Assigned/Foreign)
Page 2

Inventor's Signature:	•			Date:	
Inventor:	Howard		CHE	ENG	USA
	(first)	MI	(la	st)	(citizenship)
Residence: (city)	Sammamish		(state/country)	Washington	
Post Office Address:	2005 212th. PL NE, Redm	ond, Washington	_		
(Zip Code)	98053				
Inventor's Signature:				Date:	
Inventor:	Timothy	J	VANI	-100K	USA
	(first)	MI	(la	st)	(citizenship)
Residence: (city)	Atherton				, ,,
Post Office Address:	224 Oak Grove Ave., Athe	rton, California		-	
(Zip Code)	94027				
Inventor's Signature:				Date:	
Inventor:					
	(first)	MI	(la	st)	(citizenship)
Residence: (city)			(state/country)		
Post Office Address:	, ,				
(Zip Code)					
Inventor's Signature:				Date:	
Inventor:					
	(first)	MI	(la	st)	(citizenship)
Residence: (city)			(state/country)		
Post Office Address:					
(Zip Code)	· · · · · · · · · · · · · · · · · · ·	****			
	Inventor: Residence: (city) Post Office Address:	Inventor: Residence: (city) Post Office Address: (Zip Code) Inventor's Signature: Inventor: Residence: (city) Post Office Address: (Zip Code) Inventor's Signature: Inventor: Residence: (city) Post Office Address: (Zip Code) Inventor's Signature: Inventor: Inventor's Signature: Inventor: Residence: (city) Post Office Address: (Zip Code) Inventor's Signature: Inventor: Residence: (city) Post Office Address: (Zip Code) Inventor's Signature: Inventor: (first) Residence: (city) Post Office Address: (Zip Code)	Inventor: Residence: (city) Post Office Address: (Zip Code) Inventor's Signature: Inventor: Inventor: Residence: (city) Post Office Address: (Zip Code) Inventor's Signature: Inventor: Timothy (first) MI Atherton 224 Oak Grove Ave., Atherton, California 94027 Inventor's Signature: Inventor: Inventor: (first) MI Residence: (city) Post Office Address: (Zip Code) Inventor's Signature: Inventor: (first) MI Residence: (city) Post Office Address: (Zip Code) Inventor's Signature: Inventor: (first) MI Residence: (city) Post Office Address: (first) MI Residence: (city) Post Office Address: (first) MI	Inventor: Howard (first) Sammanish 2005 212th. PL NE, Redmond, Washington (First) Inventor's Signature: Inventor: Inventor: Inventor: Inventor: Inventor: Inventor's Signature: Inventor: Inventor's Signature: Inventor's Signature: Inventor's Signature: Inventor's Signature: Inventor's Signature: Inventor: Inventor's Signature: Inventor's Signature: Inventor's Signature: Inventor: Inventor's Signature: Inventor's Signature: Inventor: Inventor's Signature: Inventor: Inventor's Signature: Inventor: Inventor: Inventor's Signature: Inventor's Signature: Inventor: Inventor: Inventor's Signature: Invento	Inventor:

FOR ADDITIONAL INVENTORS, check box $\ \square$ and attach sheet with same information and signature and date for each.

723-840

Nixon & Vanderhye P.C. (10/99) (Domestic Non-Assigned/Foreign) Page 1

RULE 63 (37 C.F.R. 1.63) ORS DECLARATION FOR PATENT APPLICATION IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

subje	ect matter which is claimed a	nd for which a patent is sou APPARATUS FOR OBTA	ught on the invention entitl	ed:	,	•	REGISTER
the s	pecification of which (check		THE TOTAL OF THE TALES	LONGOTE	THOWA	VEO I OITT	TEGIOTEIT
	is attached hereto	., ,,,					
\boxtimes	was filed on	April 7, 2000	as U.S. Application	n Serial No.	09/545,1	82	(Atty Dkt. No. 723-
	was filed as PCT Internation	nal application No.			on		840)
	if applicable to U.S. or PCT		on		- '''	_	
amen 37 C. below priorit Priori	.F.R. 1.56. I hereby claim for	acknowledge the duty to dis reign priority benefits under low any foreign application	sclose information which is r 35 U.S.C. 119/365 of any n for patent or inventor's ce	s material to y foreign app	the patenta lication(s) t	ability of thi for patent o	s, as amended by any is application in accordance with or inventor's certificate listed that of the application on which Day/Month/Year Filed
	eby claim the benefit under 3 ication Number	5 U.S.C. §119(e) of any Ur	nited States provisional ap Date/Month/Year File		sted below	<i>1</i> .	
subje U.S.C	eby claim the benefit under 3 ct matter of each of the clain c. 112, I acknowledge the du cations and the national or P	ns of this application is not ty to disclose material infor	disclosed in such prior ap rmation as defined in 37 C	plications in t .F.R. 1.56 wl	he manne	r provided red betwee	ove or below and, insofar as the by the first paragraph of 35 in the filing date of the prior
Prior	U.S./PCT Application(s):			• •		•	Status: patented
Appli	ication Serial No.		Day/Month/Year File	ed F	EB 2 6	2002	pending, abandoned
be truimprise applice applice attorn in the Hosm Stanke Jr. 29 34776 35329 name	pe; and further that these state comment, or both, under Sectation or any patent issued the cor, Arlington, VA 22201-4 neys thereof (of the same addretated and Trademark Officier, 30184; Robert W. Faris, ey C. Spooner, 27393; Leon. 3366; Mary J. Wilson, 32955; Updeep S. Gill, 37334; Migg; Joseph A. Rhoa, 37515; Fis/numbers no longer with the organization sending instructions.	tements were made with the tion 1001 of Title 18 of the hereon. And on behalf of the 714, telephone number (714, telephone number (714, telephone number (714), telephone number (714), telephone number (714), and collecte connected therewith and 31352; Richard G. Besha, and C. Mitchard, 29009; Du J. Scott Davidson, 33489; chael J. Shea, 34725; Doniaymond Y. Mah, 41426; Ce firm and to act and rely setions to Nixon & Vanderhyten	ne knowledge that willful fa United States Code and the he owner(s) hereof, I herei 703) 816-4000 (to whom a ectively owner's/owners' at d with the resulting patent: 22770; Mark E. Nusbaum Jane M. Byers, 33363; Jeft Alan M. Kagen, 36178; R ald L. Jackson, 41090; Michris Comuntzis, 31097. I olely on instructions direct e on behalf of the owner(s	at all statements such willfe by appoint NI all communitorneys to properly a 2348; Miclifry H. Nelson obert A. Molachelle N. Les also authorizely communice).	ents made its and the ul false sta XON & VA cations ar osecute thon, 25640; nael J. Kee, 30481; Joan, 29834; ter, 32331; e Nixon & ated from the standard st	like so ma tements m ANDERHY! e to be dir is applicat Arthur R. pann, 3210 phn R. Las B. J. Sado ; Frank P. I Vanderhye	ation and belief are believed to de are punishable by fine or ay jeopardize the validity of the E P.C., 1100 North Glebe Rd., rected), and the following ion and to transact all business Crawford, 25327; James T. 6; Bryan H. Davidson, 30251; tova, 33149; H. Warren Burnam, iff, 36663; James D. Berquist, Presta, 19828; Joseph S. Presta, to delete any attorney , assignee, attorney, firm, or
	Inventor:	Yu-Chung	C.		LIAO	-	USA
	Donisland - 1-15 A	(first)	MI		(last)		(citizenship)
	Residence: (city)	Austin 10707 Leabases Cours		state/country) <u>Texas</u>		
	Post Office Address: (Zip Code)	10707 Lochness Cove, A 78750	Ausun, Texas				
2.	Inventor's Signature:					Detai	
	Inventor:	Peter	A.	•	ANDON	_ Date: .	USA
		(first)	MI	3/	(last)		(citizenship)
	Residence: (city)	Essex Junction		state/country	r) Vermo	ont	(0.0.2010/119)
	Post Office Address:	4 Lang Drive, Essex Jun					
	(Zip Code)	05452	<u> </u>				

723-840 Serial I	No. 09/545,182		1 1 (a & Vanderhye P.C. (10/99) tic Non-Assigned/Foreign) Page 2
3.	Inventor's Signature:	. //		Date:	1/3/2002
	Inventor:	Howard		CHENG	USA
		(first)	MI	(last)	(citizenship)
	Residence: (city)	Sammamish		(state/country) Washington	
	Post Office Address:	2005 212th. PL NE, Redm	ond, Washington		
	(Zip Code)	98053			
4.	Inventor's Signature:			Date:	
	Inventor:	Timothy	J	VAN HOOK	USA
		(first)	MI	(last)	(citizenship)
	Residence: (city)	Atherton		(state/country) California	(=:::==:::::::::::::)
	Post Office Address:	224 Oak Grove Ave., Athe	rton, California		
	(Zip Code)	94027			
5.	Inventor's Signature:			Date:	
•	Inventor:		· · · · · · · · · · · · · · · · · · ·	Batto.	
		(first)	MI	(last)	(citizenship)
	Residence: (city)			(state/country)	
	Post Office Address:	, ,		- '	
	(Zip Code)				
6.	Inventor's Signature:			Date:	
	Inventor:			Bate.	
		(first)	MI	(last)	(citizenship)
	Residence: (city)			(state/country)	(
	Post Office Address:			_ `	
	(Zip Code)				

FOR ADDITIONAL INVENTORS, check box $\ \square$ and attach sheet with same information and signature and date for each.

723-840

Nixon & Vanderhye P.C. (10/99) (Domestic Non-Assigned/Foreign) Page 1

RULE 63 (37 C.F.R. 1.63) RULE 63 (37 C.F.R. 1.63)

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

= '-	ification of which (check	t applicable box(s)) :			
	attached hereto as filed on	April 7, 2000	as U.S. Application Serial No.	09/545,182	(Atty Dkt. No. 723- 840)
□ w	as filed as PCT Internati	onal application No.		on	640)
		application) was amended	on		
amendin 37 C.F.F below ar priority i Priority I	nent referred to above. I R. 1.56. I hereby claim fond have also identified b s claimed or, if no priority Foreign Application(s):	acknowledge the duty to dis preign priority benefits unde		the patentability of this lication(s) for patent or	application in accordance with inventor's certificate listed that of the application on which
Applica	tion Number		Country		Day/Month/Year Filed
	claim the benefit under tion Number	35 U.S.C. §119(e) of any U	nited States provisional application(s) li Date/Month/Year Filed	isted below.	
subject i U.S.C. 1	matter of each of the cla 12, I acknowledge the d	ims of this application is not		the manner provided b	y the first paragraph of 35 the filing date of the prior
- · ·	O (DOT 4 11 12			RECEIVED	C4-4
	S./PCT Application(s): tion Serial No.		Day/Month/Year Filed	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Status:/patented pending, abandoned
Аррпса	tion Senai No.		Day/Month/ Feat Filed	FEB 2 6 2002	penang _i , abanaonea
be true; imprisor applicati 8 th Floo	and further that these stament, or both, under Se on or any patent issued r, Arlington, VA 22201- s thereof (of the same a atent and Trademark Off	atements were made with the ction 1001 of Title 18 of the thereon. And on behalf of the 4714, telephone number (3 ddress) individually and collice connected therewith and	knowledge are true and that all states the knowledge that willful false statemer United States Code and that such willful he owner(s) hereof, I hereby appoint N 703) 816-4000 (to whom all communitectively owner's/owners' attorneys to pat with the resulting patent: Larry S. Nix 202770: Mark E. Nixsbourg 202740.	nts and the like so mad rul false statements ma IXON & VANDERHYE ications are to be dire rosecute this application, 25640; Arthur R. C	le are punishable by fine or y jeopardize the validity of the P.C., 1100 North Glebe Rd., ected), and the following on and to transact all business crawford, 25327; James T.
in the Pa Hosmer Stanley Jr. 2936 34776; V 35329; A names/r	C. Spooner, 27393; Leo 6; Mary J. Wilson, 3295: Jpdeep S. Gill, 37334; M Joseph A. Rhoa, 37515; numbers no longer with t	nard C. Mitchard, 29009; Di 5; J. Scott Davidson, 33489; lichael J. Shea, 34725; Don Raymond Y. Mah, 41426; C	uane M. Byers, 33363; Jeffry H. Nelsor Alan M. Kagen, 36178; Robert A. Molald L. Jackson, 41090; Michelle N. Les Chris Comuntzis, 31097. I also authoriz olely on instructions directly communic	n, 30481; John R. Lasto an, 29834; B. J. Sadof ster, 32331; Frank P. P ze Nixon & Vanderhye	f, 36663; James D. Berquist, resta, 19828; Joseph S. Presta to delete any attorney
in the Pa Hosmer Stanley Jr. 2936 34776; U 35329; C names/r other or	C. Spooner, 27393; Leo 6; Mary J. Wilson, 3295: Jpdeep S. Gill, 37334; M Joseph A. Rhoa, 37515; numbers no longer with t	nard C. Mitchard, 29009; Di 5; J. Scott Davidson, 33489; fichael J. Shea, 34725; Don Raymond Y. Mah, 41426; C he firm and to act and rely s uctions to Nixon & Vanderhy	uane M. Byers, 33363; Jeffry H. Nelson Alan M. Kagen, 36178; Robert A. Mola ald L. Jackson, 41090; Michelle N. Les Chris Comuntzis, 31097. I also authoriz olely on instructions directly communic te on behalf of the owner(s).	n, 30481; John R. Laste an, 29834; B. J. Sadof ster, 32331; Frank P. P te Nixon & Vanderhye tated from the person, Date:	ova, 33149; H. Warren Burnan f, 36663; James D. Berquist, resta, 19828; Joseph S. Prest to delete any attorney assignee, attorney, firm, or
in the Pa Hosmer Stanley Jr. 2936 34776; U 35329; C names/r other or	C. Spooner, 27393; Leo 6; Mary J. Wilson, 3295: Jpdeep S. Gill, 37334; Moseph A. Rhoa, 37515; numbers no longer with t ganization sending instra	nard C. Mitchard, 29009; Di 5; J. Scott Davidson, 33489; fichael J. Shea, 34725; Don Raymond Y. Mah, 41426; C he firm and to act and rely s uctions to Nixon & Vanderhy Yu-Chung	uane M. Byers, 33363; Jeffry H. Nelson Alan M. Kagen, 36178; Robert A. Mola ald L. Jackson, 41090; Michelle N. Les chris Comuntzis, 31097. I also authorize olely on instructions directly communicate on behalf of the owner(s).	n, 30481; John R. Laste an, 29834; B. J. Sadof ster, 32331; Frank P. P te Nixon & Vanderhye tated from the person, Date:	ova, 33149; H. Warren Burnan f, 36663; James D. Berquist, resta, 19828; Joseph S. Presta to delete any attorney assignee, attorney, firm, or
in the Pa Hosmer Stanley Jr. 2936 34776; V 35329; Anames/r	C. Spooner, 27393; Leo 6; Mary J. Wilson, 3295; Jpdeep S. Gill, 37334; Moseph A. Rhoa, 37515; numbers no longer with toganization sending instructions Signature:	nard C. Mitchard, 29009; Di 5; J. Scott Davidson, 33489; fichael J. Shea, 34725; Don Raymond Y. Mah, 41426; C he firm and to act and rely s uctions to Nixon & Vanderhy	uane M. Byers, 33363; Jeffry H. Nelson Alan M. Kagen, 36178; Robert A. Moladd L. Jackson, 41090; Michelle N. Les Chris Comuntzis, 31097. I also authorize colely on instructions directly communicate on behalf of the owner(s). C. MI (state/country	n, 30481; John R. Laste an, 29834; B. J. Sadof ster, 32331; Frank P. P te Nixon & Vanderhye tated from the person, Date:	ova, 33149; H. Warren Burnan f, 36663; James D. Berquist, resta, 19828; Joseph S. Prest to delete any attorney assignee, attorney, firm, or
in the Pa Hosmer Stanley Jr. 2936 34776; I 35329; names/r other or	C. Spooner, 27393; Leo 6; Mary J. Wilson, 3295; Jpdeep S. Gill, 37334; Noseph A. Rhoa, 37515; numbers no longer with toganization sending instruction of the control of the	nard C. Mitchard, 29009; Dt. 5; J. Scott Davidson, 33489; Michael J. Shea, 34725; Don Raymond Y. Mah, 41426; Che firm and to act and rely suctions to Nixon & Vanderhy Yu-Chung (first) Austin 10707 Lochness Cove, 2005; J. Scott Cove, 2005	uane M. Byers, 33363; Jeffry H. Nelson Alan M. Kagen, 36178; Robert A. Moladd L. Jackson, 41090; Michelle N. Les Chris Comuntzis, 31097. I also authorize colely on instructions directly communicate on behalf of the owner(s). C. MI (state/country	n, 30481; John R. Laste an, 29834; B. J. Sadof ster, 32331; Frank P. P te Nixon & Vanderhye tated from the person, Date: LIAO (last)	ova, 33149; H. Warren Burnan f, 36663; James D. Berquist, resta, 19828; Joseph S. Prest to delete any attorney assignee, attorney, firm, or
in the Pa Hosmer Stanley Jr. 2936 34776; U 35329; C names/r other or	C. Spooner, 27393; Leo 6; Mary J. Wilson, 3295; Jpdeep S. Gill, 37334; Noseph A. Rhoa, 37515; numbers no longer with t ganization sending instru- Inventor's Signature: Inventor: Residence: (city) Post Office Address:	nard C. Mitchard, 29009; Dt. 5; J. Scott Davidson, 33489; Michael J. Shea, 34725; Don Raymond Y. Mah, 41426; Che firm and to act and rely suctions to Nixon & Vanderhy Yu-Chung (first) Austin 10707 Lochness Cove, 2005; J. Scott Cove, 2005	uane M. Byers, 33363; Jeffry H. Nelson Alan M. Kagen, 36178; Robert A. Mola ald L. Jackson, 41090; Michelle N. Les chris Comuntzis, 31097. I also authoriz colely on instructions directly communic e on behalf of the owner(s). C. MI (state/country Austin, Texas	n, 30481; John R. Laste an, 29834; B. J. Sadof ster, 32331; Frank P. P te Nixon & Vanderhye tated from the person, Date:	ova, 33149; H. Warren Burnan f, 36663; James D. Berquist, resta, 19828; Joseph S. Prest to delete any attorney assignee, attorney, firm, or USA (citizenship)
in the Pi Hosmer Stanley Jr. 2936 34776; I 35329; names/r other or	C. Spooner, 27393; Leo 6; Mary J. Wilson, 3295; Jpdeep S. Gill, 37334; Noseph A. Rhoa, 37515; numbers no longer with toganization sending instruction of the	nard C. Mitchard, 29009; Dt 5; J. Scott Davidson, 33489; Michael J. Shea, 34725; Don Raymond Y. Mah, 41426; Che firm and to act and rely suctions to Nixon & Vanderhy Yu-Chung (first) Austin 10707 Lochness Cove, 78750 Peter (first)	Jane M. Byers, 33363; Jeffry H. Nelson Alan M. Kagen, 36178; Robert A. Mola ald L. Jackson, 41090; Michelle N. Les Chris Comuntzis, 31097. I also authoriz olely on instructions directly communic e on behalf of the owner(s). C. MI (state/country Austin, Texas A. S MI	n, 30481; John R. Laste an, 29834; B. J. Sadof ster, 32331; Frank P. Pe e Nixon & Vanderhye sated from the person, Date: LIAO (last) y) Texas Date: ANDON (last)	ova, 33149; H. Warren Burnan f, 36663; James D. Berquist, resta, 19828; Joseph S. Prest to delete any attorney assignee, attorney, firm, or USA (citizenship)
in the Pi Hosmer Stanley Jr. 2936 34776; I 35329; names/r other or	C. Spooner, 27393; Leo 6; Mary J. Wilson, 3295; Jpdeep S. Gill, 37334; Noseph A. Rhoa, 37515; numbers no longer with toganization sending instruction of the sending instruction of the sending instruction of the sendence: Residence: (city) Post Office Address: (Zip Code) Inventor's Signature:	nard C. Mitchard, 29009; Dt. 5; J. Scott Davidson, 33489; Michael J. Shea, 34725; Don Raymond Y. Mah, 41426; Che firm and to act and rely suctions to Nixon & Vanderhy Yu-Chung (first) Austin 10707 Lochness Cove, 178750 Peter	Jane M. Byers, 33363; Jeffry H. Nelson Alan M. Kagen, 36178; Robert A. Mola ald L. Jackson, 41090; Michelle N. Les Chris Comuntzis, 31097. I also authoriz olely on instructions directly communic e on behalf of the owner(s). C. MI (state/country Austin, Texas A. S MI (state/country	n, 30481; John R. Laste an, 29834; B. J. Sadof ster, 32331; Frank P. Pere Nixon & Vanderhye sated from the person, Date: LIAO (last) y) Texas Date: ANDON (last)	ova, 33149; H. Warren Burnan f, 36663; James D. Berquist, resta, 19828; Joseph S. Prest to delete any attorney assignee, attorney, firm, or USA (citizenship)

725-872 Serial No. 09/545,182 Nixon & Vanderhye P.C. (10/99 omestic Non-Assigned/Foreign)
Page 2

3.	Inventor's Signature:	·		Date:	
	Inventor:	Howard		CHENG	USA
		(first)	MI	· (last)	(citizenship)
	Residence: (city)	Sammamish · .		(state/country) Washington	
	Post Office Address:	2005 212th. PL NE, Redm	ond, Washington		
	(Zip Code)	98053			
				(1) (1)	44/
4.	Inventor's Signature:	///1		Date:	4/13/01
	Inventor:	Timothy/	J	VAN HOOK	USA
		(first)	MI	(last)	(citizenship)
	Residence: (city)	Atherton		(state/country) California	
	Post Office Address:	224 Oak Grove Ave., Athe	rton, California		
	(Zip Code)	94027			
_	Improvious Cionostruos			Date:	
5.	Inventor's Signature:		1000	Date:	
	Inventor:	(first)	MI	(last)	(citizonahin)
	Desidence (site)	(first)	IVII	(last)	(citizenship)
	Residence: (city)			(state/country)	
	Post Office Address:				
	(Zip Code)				
6.	Inventor's Signature:			Date:	
-	Inventor:				
		(first)	MI	(last)	(citizenship)
	Residence: (city)			(state/country)	
	Post Office Address:	, ,			
	(Zip Code)	· ·			
	, ,,				

IN THE UNITED STATES PASENT AND TRADEMARK OFFICE

In re Patent Application of

LIAO et al.

Atty. Ref.:

723-840

Serial No.

09/545,182

Group Art Unit:

Filed:

April 7, 2000

Examiner:

For:

A METHOD AND APPARATUS FOR OBTAINING A SCALAR

VALVE DIRECTLY FROM A VECTOR REGISTRAR

* * * * * * * * *

Assistant Commissioner for Patents Washington, DC 20231

RECEIVED

FEB 2 6 2002

Sir:

Technology Center 2100

CONSENT

Nintendo Technology Development Inc., does hereby give consent to the addition of Tim Van Hook as an inventor on the U.S. patent application number 09/545,182.

Nintendo Technology Development Inc. received assignment from inventor Howard Cheng.

Data

John Bauer, Treasurer

Mintendo Technology Development Inc.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

LIAO et al.

Serial No.

09/545,182

Filed:

April 7, 2000

Atty. Ref.:

723-840

Group Art Unit:

Examiner:

For: A METHOD AND APPARATUS FOR OBTAINING A SCALAR

VALVE DIRECTLY FROM A VECTOR REGISTRAR

Assistant Commissioner for Patents Washington, DC 20231

Sir:

RECEIVED

FEB 2 6 2002

Technology Center 2100

CONSENT

International Business Machines Corporation does hereby give consent to the addition of Tim Van Hook as an inventor on the U.S. patent application number 09/545,182.

International Business Machines Corporation received assignment from inventors Yu-Chung Liao and Peter Sandon.

International Business Machines Corporation

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Atty. Ref.:

Examiner:

Group Art Unit:

In re Patent Application of

LIAO et al.

09/545,182

Filed:

For:

Serial No.

April 7, 2000

A METHOD AND APPARATUS FOR OBTAINING A SCALAR

VALUE DIRECTLY FROM A

Assistant Commissioner for Patents Washington, DC 20231

Sir:

RECEIVED

723-840

FEB 2 6 2002

Technology Center 2100

INVENTOR STATEMENT

Tim Van Hook, as the person being added as an inventor, does hereby declare that the error in inventorship occurred without deceptive intention on his part in the filing of U.S. patent application number 09/545,182.

Tim Van Hook

Inventor

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

LIAO et al.

Serial No. 09/545,182

Filed:

April 7, 2000

Atty. Ref.:

723-840

Group Art Unit:

Examiner:

For:

A METHOD AND APPARATUS FOR OBTAINING A

SCALAR VALUE DIRECTLY FROM A VECTOR

REGISTER

Assistant Commissioner for Patents Washington, DC 20231

Sir:

RECEIVED

FEB 2 6 2002

Technology Center 2100

CONSENT

Nintendo Co., Ltd., does hereby give consent to the addition of Tim Van Hook as an inventor on the U.S. patent application number 09/545,182.

Nintendo Co., Ltd. received assignment from Nintendo Technology Development Inc.

Date: May 14, 2001

Nintendo 20., Ltd.